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### (54) METHOD FOR CULTURE-PRODUCING TAXOL

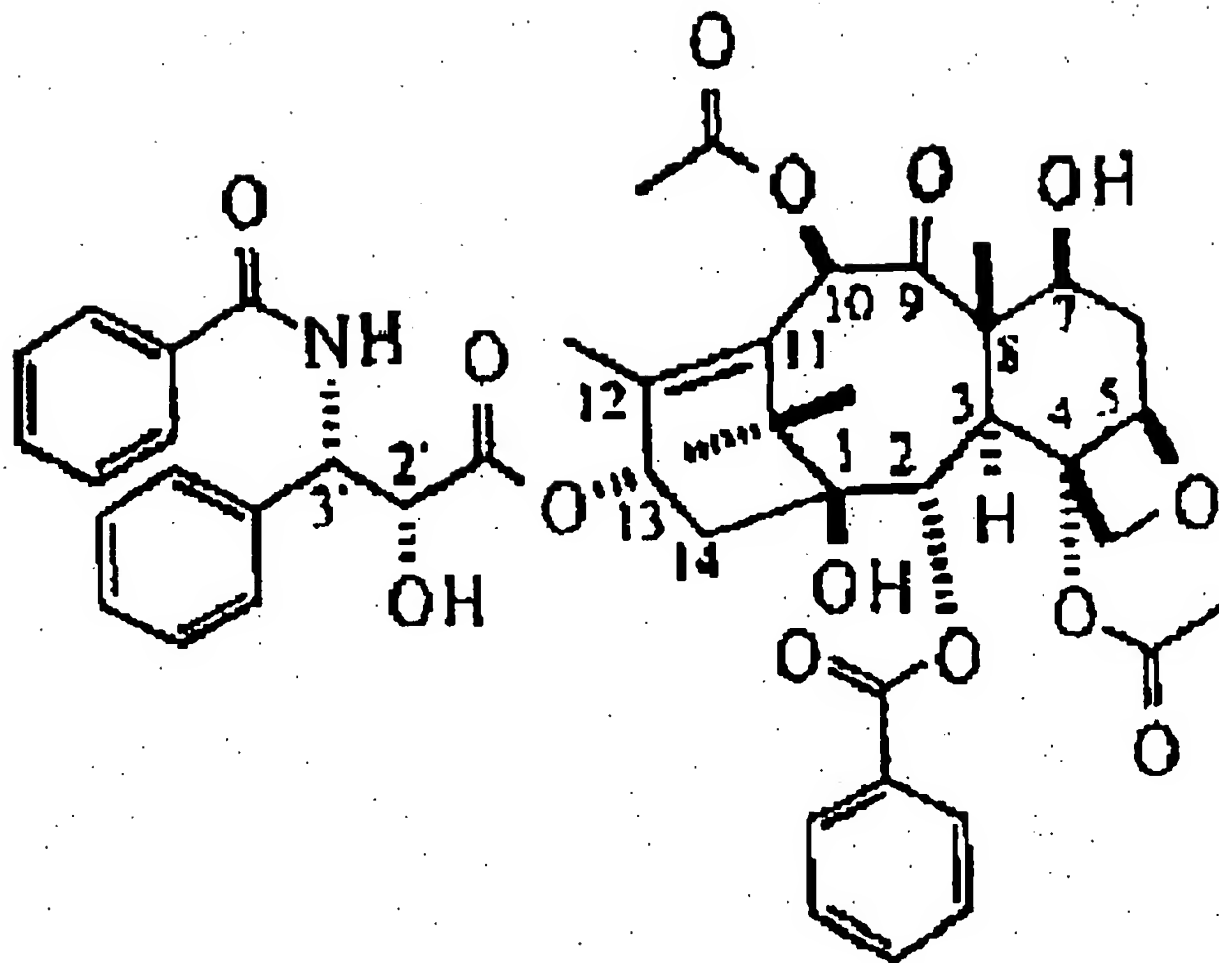
(57) Abstract:

**PURPOSE:** To massively obtain the taxol exhibiting excellent therapeutic effects for critical ovarian cancer or pulmonary cancer patients in a high yield by culturing a callus induced from a taxol-containing plant in the presence of a chito oligosaccharide.

**CONSTITUTION:** The method for producing the taxol comprises sterilizing the cut pieces of the stems or leaves of a taxol-containing plant (e.g. Taxus), planting the sterilized cut pieces in a culture medium containing 2,4-dichlorophenoxyacetic acid and kinetin, inducing the cut pieces into calluses in a dark place at 25°C, transplanting the calluses in a culture medium containing a chito oligosaccharide in an amount of 0.25-10mg per g of the fresh calluses, culturing the calluses for 15 days without subjecting to a subculture operation, lyophilizing the cultured calluses, extracting the lyophilized product with a solvent comprising

methanol:water (1:1, v/v) at room temperature, vacuum- concentrating the extraction solution, further extracting the extract with dichloromethane:water (1:1, v/v), and subsequently subjecting the dichloromethane-soluble fraction to a chromatography, thus obtaining the objective taxol useful as an anticancer substance in a large amount and in a high yield.

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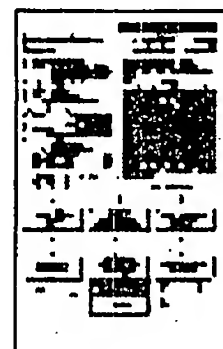
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☐ Abstract:

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